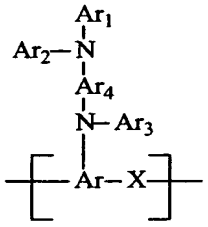
CLAIMS:

1. An electroluminescent device, comprising:

a) a spaced-apart anode and cathode; and

b) an organic layer disposed between the spaced-apart anode and cathode and including a polymer having arylamine repeating unit moiety represented by formula

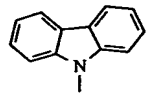


wherein:

Ar, Ar_1, Ar_2, Ar_3, and Ar_4 are each individually aryl group of from 6 to 60 carbon atoms; or a heteroaryl group of from 4 to 60 carbons, or combinations thereof; or Ar_1 and Ar_2, Ar_3 and Ar_4, Ar_1 and Ar_4, Ar_2 and Ar_4 are connected through a chemical bond; and

X is a conjugated group having 2 to 60 carbon atoms.

2. The electroluminescent device of claim 1 wherein Ar_1 and Ar_2, Ar_3 and Ar_4, Ar_1 and Ar_4, Ar_2 and Ar_4 are connected by a chemical bond to form a group having $-\overset{Ar_1}{\underset{|}{N}}-Ar_2$, $-\overset{Ar_3}{\underset{|}{N}}-Ar_4$, $-\overset{Ar_1}{\underset{|}{N}}-Ar_4$, or $-\overset{Ar_1}{\underset{|}{N}}-Ar_4$ that includes the following carbazole and carbazole derivatives: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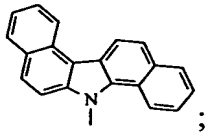
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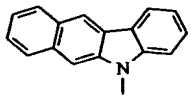
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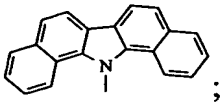
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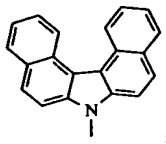
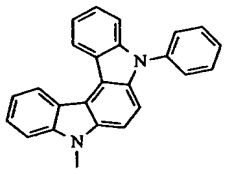

; or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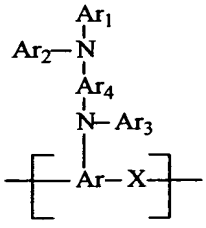
3. The electroluminescent device of claim 1 wherein X includes a plurality of groups.

4. The electroluminescent device of claim 1 wherein the organic layer is an emissive layer or a hole injection layer or both.

5. An electroluminescent device which includes an anode, a cathode, and a polymer disposed between the spaced-apart anode and cathode, the polymer being doped with one or more fluorescent dyes, phosphorescent dopants, or other light emitting material, the polymer including arylamine moiety has the repeating unit represented by formula



wherein:

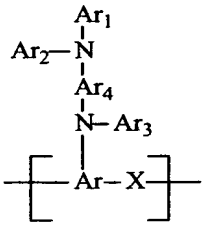
Ar, Ar_1, Ar_2, Ar_3, and Ar_4 are each individually aryl group of from 6 to 60 carbon atoms; or a heteroaryl group of from 4 to 60 carbons, or combinations thereof; or Ar_1 and Ar_2, Ar_3 and Ar_4, Ar_1 and Ar_4, Ar_2 and Ar_4 are connected through a chemical bond; and

X is a conjugated group of from 2 to 60 carbon atoms.

6. A method of making an electroluminescent device, comprising:

a) providing an anode and cathode; and

b) depositing an organic layer between the spaced-apart anode and cathode and including a polymer having arylamine moiety has the repeating unit represented formula



wherein:

Ar, Ar_1, Ar_2, Ar_3, and Ar_4 are each individually aryl group of from 6 to 60 carbon atoms; or a heteroaryl group of from 4 to 60 carbons, or combinations thereof; or Ar_1 and Ar_2, Ar_3 and Ar_4, Ar_1 and Ar_4, Ar_2 and Ar_4 are connected through a chemical bond; and

X is a conjugated group of from 2 to 60 carbon atoms.

7. The electroluminescent device of claim 6 wherein the organic layer is an emissive layer or a hole injection layer or both.